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APPLICATION NO. FILING DATE		ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/627,282 07/25/2003		07/25/2003	Kanji Hanashima	N&H 443 3678		
23474	7590	04/07/2004		EXAMINER		
FLYNN TH	HEL BO	UTELL & TANI	PATEL, VISHAL A			
2026 RAME KALAMAZ		OAD 49008-1699	ART UNIT	PAPER NUMBER		

DATE MAILED: 04/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicatio	n No.	Applicant(s)				
		10/627,282		HANASHIMA ET AL.				
	Office Action Summary	Examiner		Art Unit				
		Vishal Pat	el	3676				
	- The MAILING DATE of this communication ap	opears on the	cover sheet with the c	orrespondence ad	dress			
THE N - Exten after: - If the - If NO - Failur Any re	CRTENED STATUTORY PERIOD FOR REPONDED FOR THIS COMMUNICATION IS SIGNED FOR THIS COMMUNICATION IS SIGNED FOR THIS COMMUNICATION IS SIGNED FOR THE MAN IN THE SIGNED FOR THE MEDICAL PROPERTY OF THE SIGNED FOR THE SIGNED	l. .136(a). In no ever eply within the statu d will apply and wil ute. cause the appli	nt, however, may a reply be tim tory minimum of thirty (30) days I expire SIX (6) MONTHS from cation to become ABANDONEI	nely filed s will be considered timel the mailing date of this co D (35 U.S.C. § 133).	y. ommunication.			
Status								
1)	Responsive to communication(s) filed on							
,	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.							
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
5)⊠ 6)⊠	Claim(s) <u>1-3</u> is/are pending in the application 4a) Of the above claim(s) is/are withdr Claim(s) <u>3</u> is/are allowed. Claim(s) <u>1 and 2</u> is/are rejected. Claim(s) is/are objected to.		nsideration.					
•	Claim(s) are subject to restriction and	/or election re	equirement.					
Applicati	on Papers							
,	The specification is objected to by the Exami			_				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
	Applicant may not request that any objection to the				ED 1 121/d)			
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the							
Priority (	inder 35 U.S.C. § 119				-			
a)l	Acknowledgment is made of a claim for foreign All b) Some * c) None of:  1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the prapplication from the International Buresee the attached detailed Office action for a li	ents have bee ents have bee riority docume eau (PCT Rule	n received. n received in Applicati ents have been receive e 17.2(a)).	ion No ed in this National	Stage			
2) Notice 3) Information	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/0 er No(s)/Mail Date	98)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:		O-152)			

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#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Nicholson (US. 5,240,263).

## Regarding claim 1:

Nicholson discloses a gasket (gasket 4 of figure 24) wherein two metallic coned disc springs (springs like members having 2, which are welded at one end) each of which has a circulation opening (opening opposite the weld 12) for a fluid in a central portion (central portions of pipes, column 1, lines 10-13) and each of which is formed into a seal surface (curve seal surface that is contacting surface 22 of pipe flanges) in which an outer peripheral portion (outer peripheral portion which are connected by weld 12) with respect to the circulation opening rises having an arc-like curved surface (the seal surface has an arc-like surface) are combined while being oppositely directed and have outer diameter peripheral edge portions which are welded and fixed (welded by 12).

3. Claim 2 is rejected under 35 U.S.C. 102(b) as being anticipated by Nicholson (GB 2235260).

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Nicholson disclose a gasket where in two metallic coned disc springs (springs like connected at 23) each of which has a circulation opening (opening opposite 23) for a fluid in a central flat portion (flat portion 23) and each of which is formed into a seal surface (arc surface that will contact surface 15 of flanges) in which an outer diameter peripheral edge portion warps having an arc-like curved surface (where 23 is considered to be the inner edge and the arc surface as the outer diameter peripheral edge) are combined while being oppositely directed on the flat surface portions having the circulation openings and are welded and fixed (the flat portion 23 is welded).

4. Claim 2 is rejected under 35 U.S.C. 102(e) as being anticipated by McLean (US. 6,431,825).

McLean disclose a gasket (gasket of figure 1) where in two metallic coned disc springs (springs members 9 and 5) each of which has a circulation opening (opening 6 and 10) for a fluid in a central flat portion (flat portions which are welded by weld 13) and each of which is formed into a seal surface (arc surface that contact surfaces of 1 and 2) in which an outer diameter peripheral edge portion warps (outer diameter after 7, 11, 8 and 12 all warp) having an arc-like curved surface (arc surface that contact surfaces of 1 and 2) are combined while being oppositely directed on the flat surface portions having the circulation openings and are welded and fixed (the flat portions are welded by weld 13).

### Allowable Subject Matter

- 5. Claim 3 is allowed.
- 6. The following is a statement of reasons for the indication of allowable subject matter:

  Prior art fails to teach or fairly suggest a gasket having a three metallic coned disc spring, the

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first disc has a circulation opening for a fluid in a central portion and which is formed into a seal surface in which an outer peripheral portion with respect to the circulation opening rises having an arc-like curved surface, the second disc spring having a circulation opening for a fluid in a central flat portion, and the third disc which has a circulation opening for a fluid in a central flat portion and which is formed into a seal surface in which an outer diameter peripheral edge portion warps having an arc-like curved surface, wherein the second disc is combined with the first disc spring while both are oppositely directed so that the outer diameter peripheral edge portions thereof are welded and fixed, and the third coned disc spring is combined with the second coned disc spring while both are oppositely directed so that the central flat portions thereof are welded and fixed.

#### Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Washida, Nicholson (US. 5,354,072) and Nicholson (US. 6,131,915).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vishal Patel whose telephone number is (703) 308-8495. The examiner can normally be reached on Monday through Friday from 7:30 PM to 4:00 PM (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight, can be reached on (703) 309-3179.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-2168. Technology Center 3600 Customer Service is available at 703-308-1113. General Customer Service numbers are at 800-786-9199 or 703-308-9000. Fax Customer Service is available at 703-872-9325.

# Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

or faxed to: 703-872-9326, for formal communications for entry before Final action: or,

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703-872-9327, for formal communications for entry after Final action.

Hand-delivered responses should be brought to Crystal Park Five, 2451 Crystal Drive, Arlington, Virginia, Seventh Floor (Receptionist suite adjacent to the elevator lobby).

VP March 30, 2004

ALISON PICKARD

Primary Patent Examiner

alim Rich

Tech. Center 3600